

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P26435PC00/RWY</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/NL 03/00692</b>	International filing date (day/month/year) <b>13/10/2003</b>	(Earliest) Priority Date (day/month/year) <b>15/10/2002</b>
Applicant <b>SIEMENS DEMAG DELAVAL TURBOMACHINERY B.V.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

**COMPRESSOR UNIT**

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

2  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 03/00692

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F04D25/06 F04D29/02 H02K5/128

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F04D H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 678 964 A (SULZER INNOTECH AG) 25 October 1995 (1995-10-25) the whole document ---	1,5,6,12
A	EP 0 255 723 A (KLEIN SCHANZLIN & BECKER AG) 10 February 1988 (1988-02-10) the whole document ---	1-5
A	US 3 960 468 A (BOORSE HENRY A ET AL) 1 June 1976 (1976-06-01) cited in the application column 1, line 4 - line 7 column 3, line 36 - line 42; figure 1 ---	1,6,12
A	DE 10 97 543 B (LEDERLE PUMPEN & MASCHF) 19 January 1961 (1961-01-19) claim 1; figure 2 --- -/--	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

14 January 2004

Date of mailing of the international search report

04/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Teerling, J

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 03/00692

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 990 798 A (SULZER TURBO AG) 5 April 2000 (2000-04-05) the whole document ----	1,8
A	DE 93 03 934 U (STAHL RAINER) 21 July 1994 (1994-07-21) -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 03/00692

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0678964	A	25-10-1995	EP 0678964 A1	25-10-1995
			DE 59403560 D1	04-09-1997
EP 0255723	A	10-02-1988	DE 3626934 A1	11-02-1988
			EP 0255723 A1	10-02-1988
US 3960468	A	01-06-1976	NONE	
DE 1097543	B	19-01-1961	CH 377653 A	15-05-1964
EP 0990798	A	05-04-2000	EP 0990798 A1	05-04-2000
			CA 2312081 A1	16-01-2001
			CA 2312085 A1	16-01-2001
			CN 1281100 A	24-01-2001
			CN 1281101 A	24-01-2001
			DE 20011217 U1	07-09-2000
			DE 20011219 U1	05-10-2000
			EP 1074746 A2	07-02-2001
			EP 1069313 A2	17-01-2001
			JP 2001041191 A	13-02-2001
			JP 2001041199 A	13-02-2001
			US 6464469 B1	15-10-2002
			US 6390789 B1	21-05-2002
DE 9303934	U	21-07-1994	DE 9303934 U1	21-07-1994